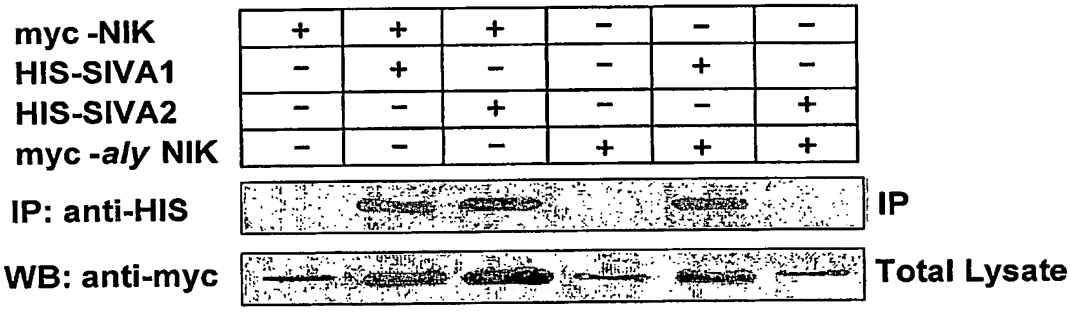
FIGURE 1

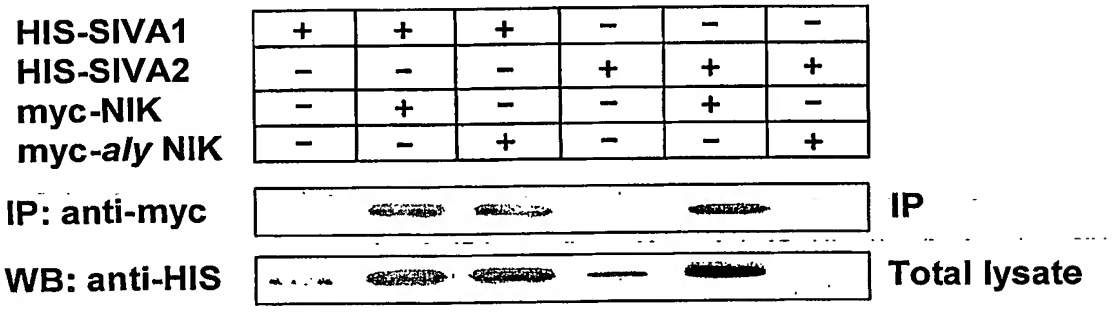
1A

Bait	Prey	Strength of interaction
NIK	SIVA-c	+
NIK	TRAF2	-
NIK-(624-947)	SIVA-c	++
NIK-(624-947)	TRAF2	+
SIVA-c	NIK-(624-947)	++

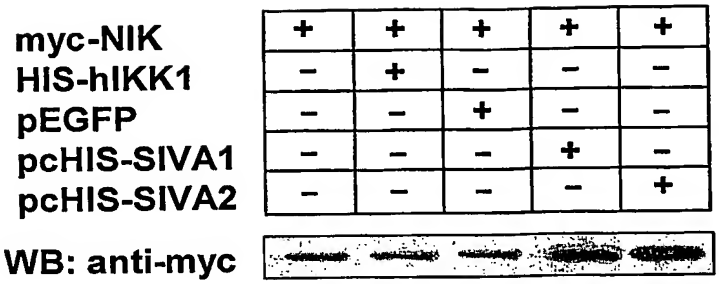
1B



1C



1D



1E

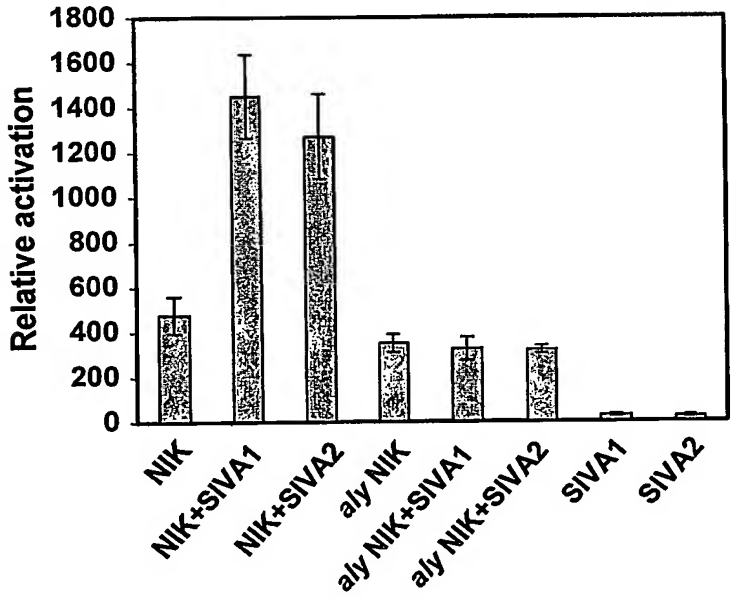
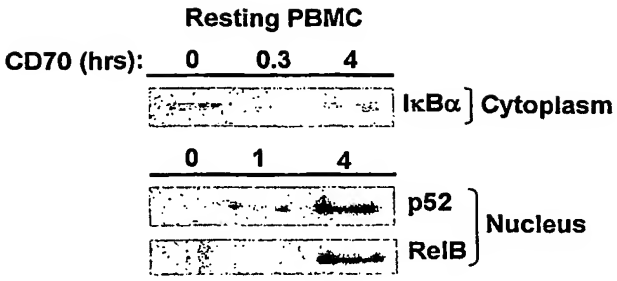
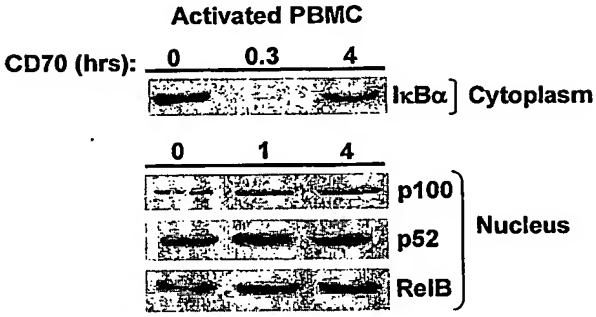


FIGURE 1

2A



2B



2C

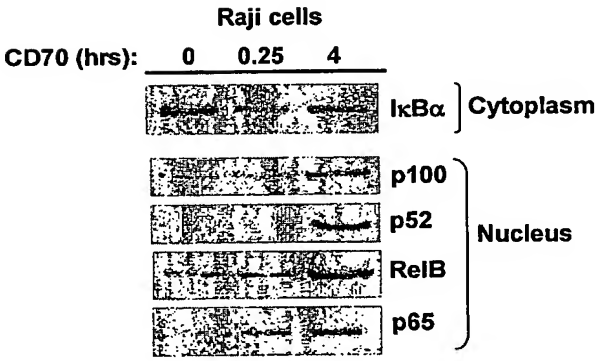
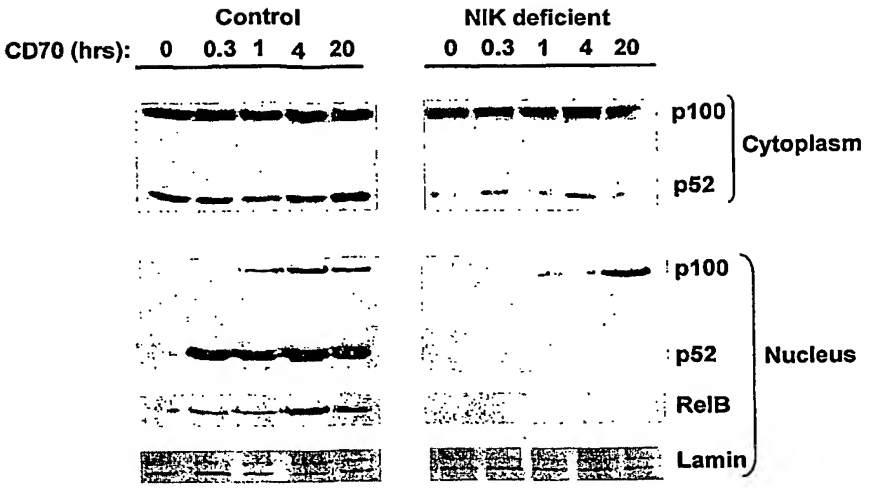
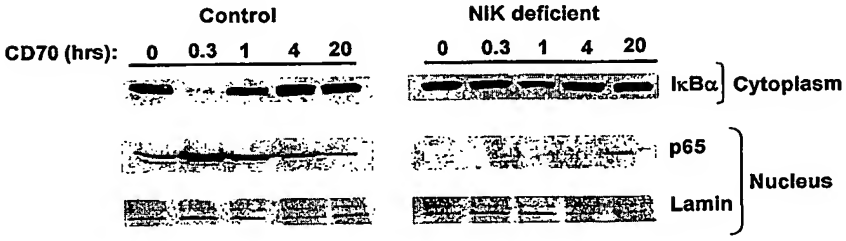


FIGURE 2

2D



2E



2F

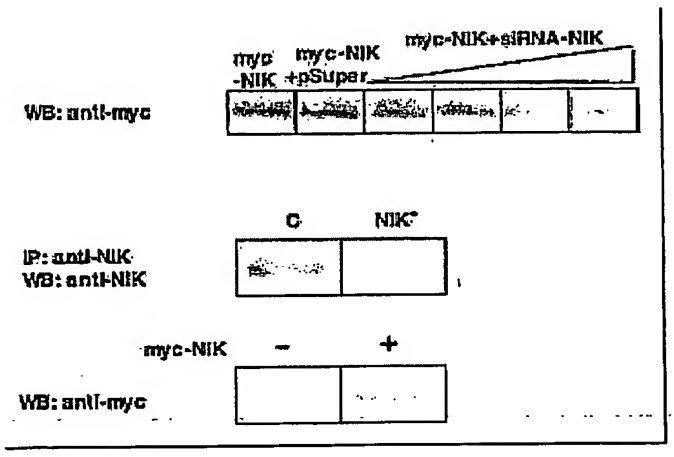
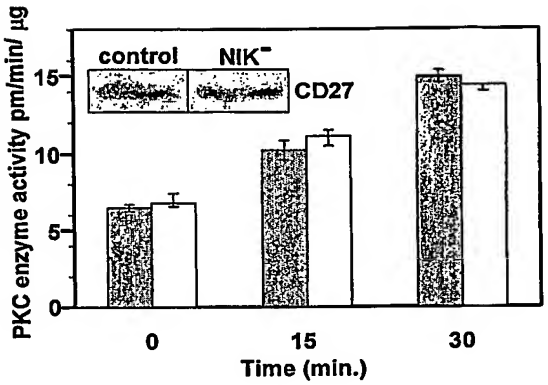


FIGURE 2

2G



2H

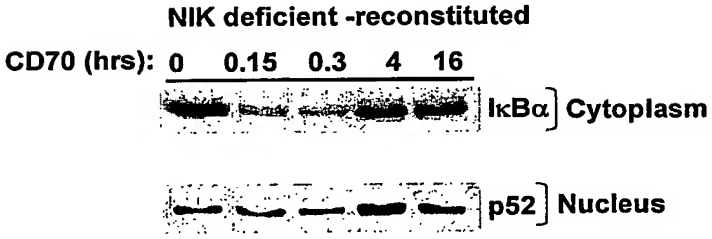
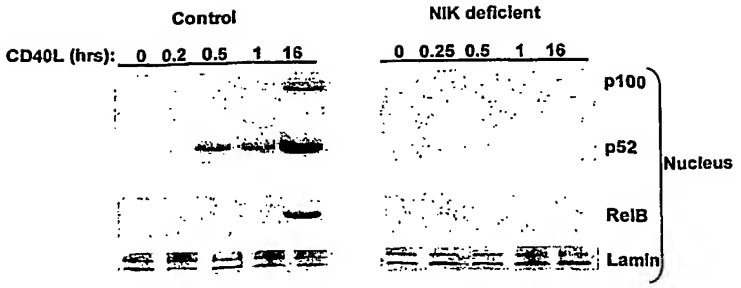
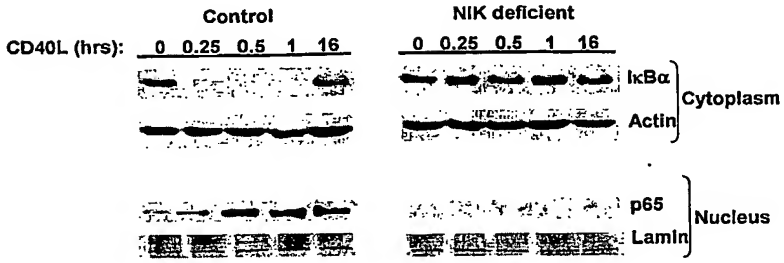


FIGURE 2

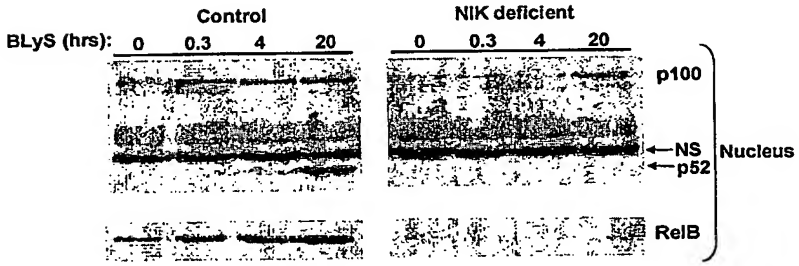
3A



3B



3C



3D

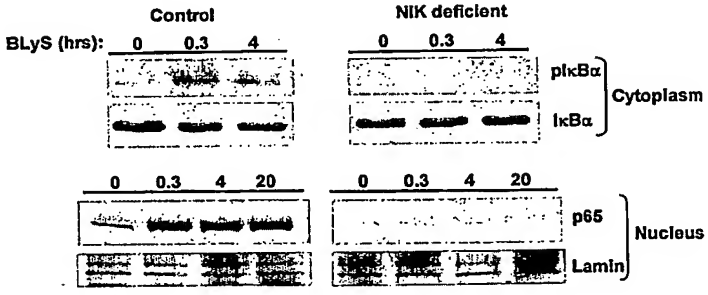
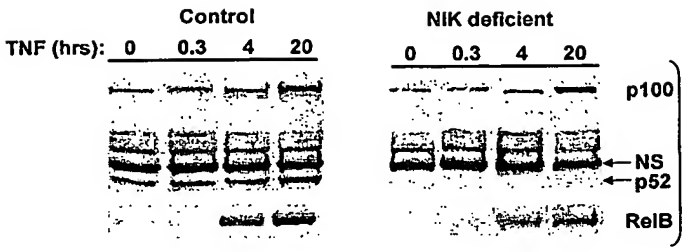
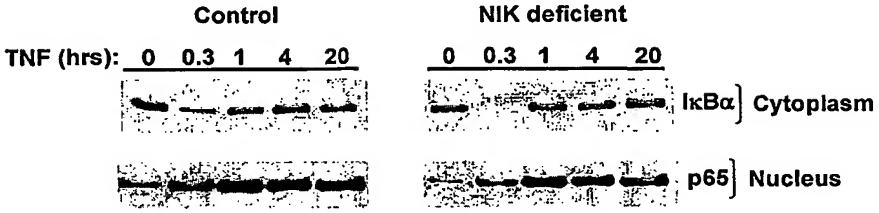


FIGURE-3

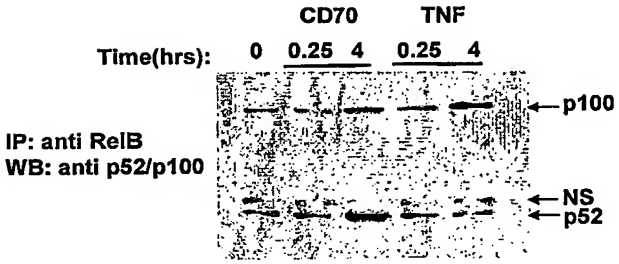
3E



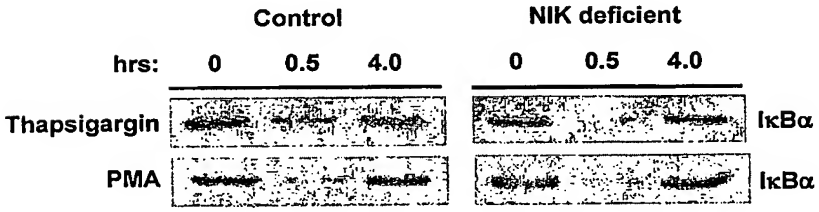
3F



3G



3H



3I

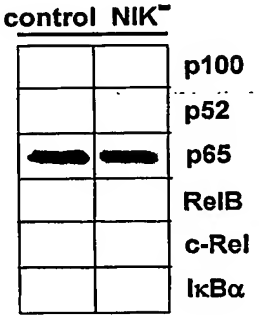
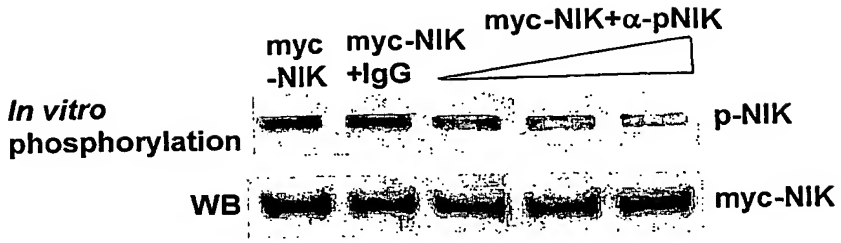


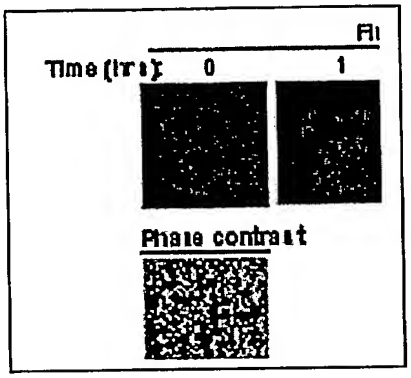
FIGURE-3

Figure 4

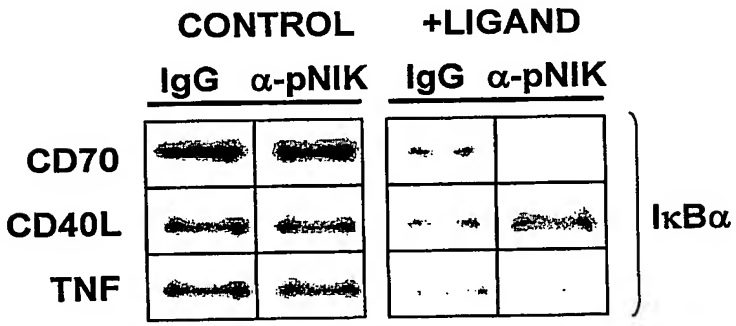
4A



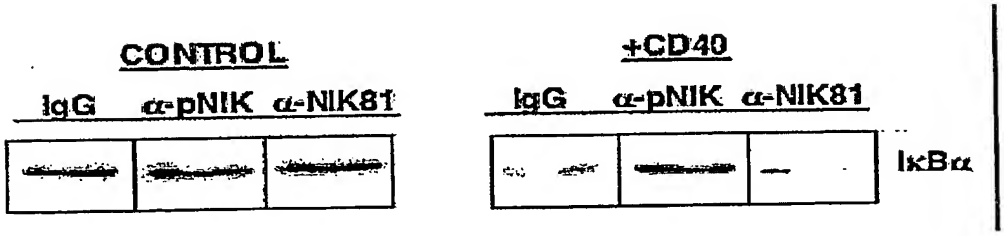
4B



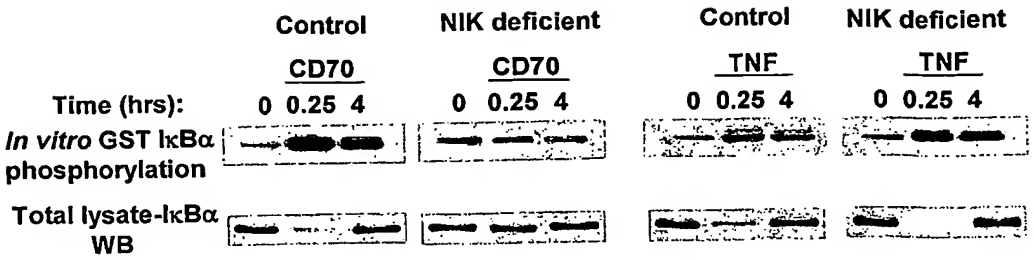
4C



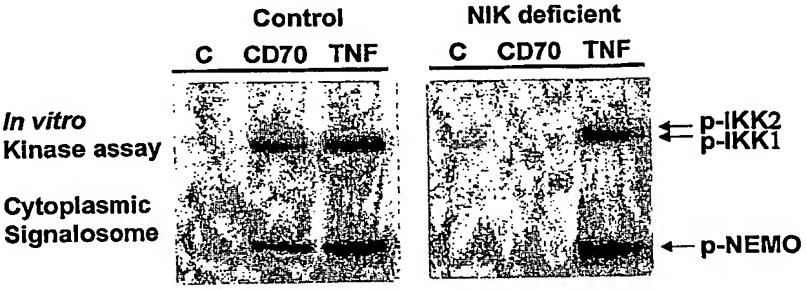
4D



5A



5B



5C

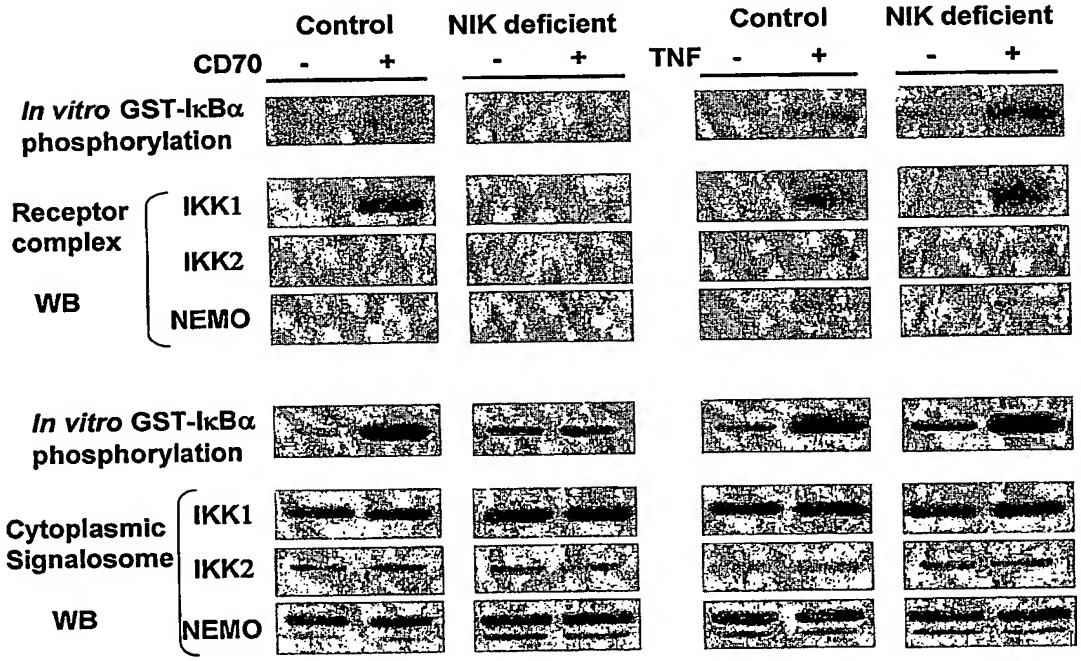
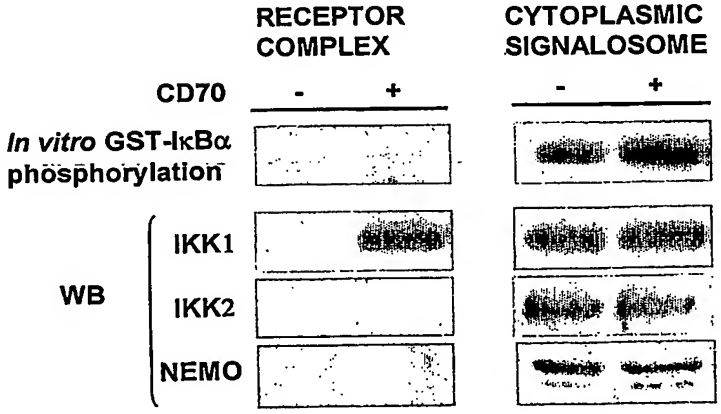
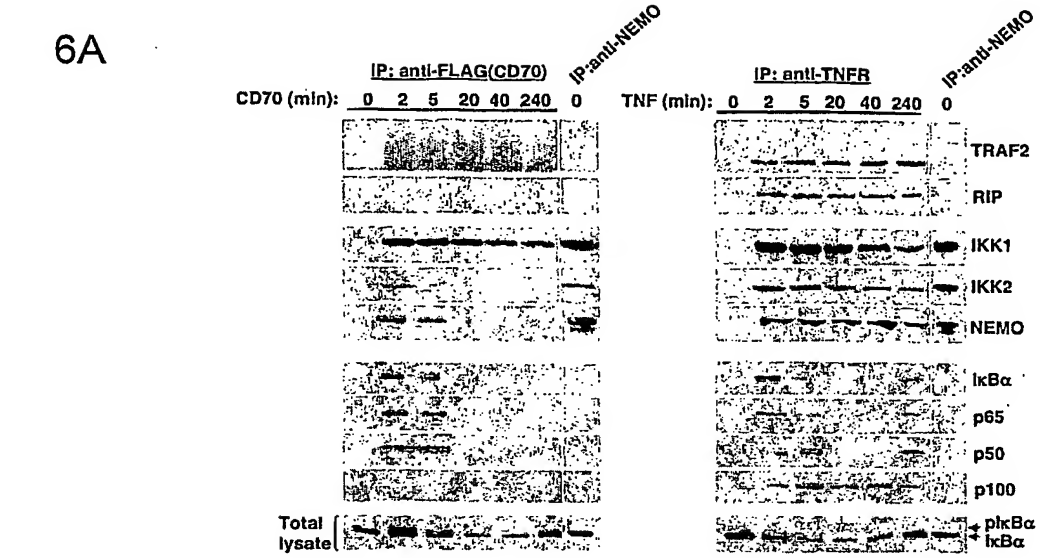
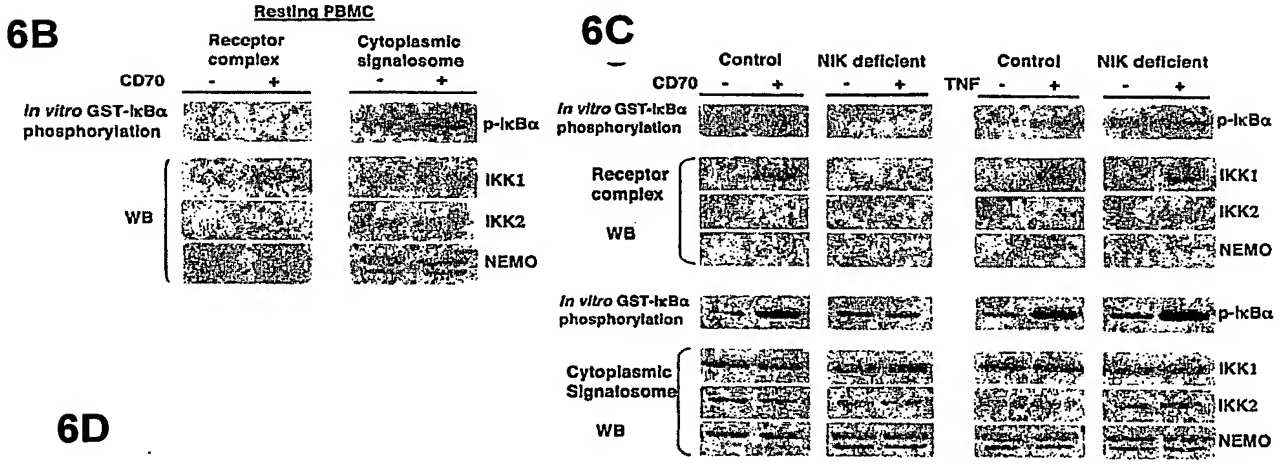


FIGURE 5

D5




6A
IP: anti-FLAG(CD70)
IP:anti-NEMO
CD70 (min): 0 2 5 20 40 240 0
IP: anti-TNFR
IP:anti-NEMO
TNF (min): 0 2 5 20 40 240 0
TRAF2
RIP
IKK1
IKK2
NEMO
IκBα
p65
p50
p100
Total lysate
pIκBα
IκBα


6B
Resting PBMC
Receptor complex
Cytoplasmic signalosome
CD70 - + - +
In vitro GST-IκBα phosphorylation
p-IκBα
WB
IKK1
IKK2
NEMO
6C
Control
NIK deficient
Control
NIK deficient
CD70 - + - + TNF - + - +
In vitro GST-IκBα phosphorylation
p-IκBα
Receptor complex
WB
IKK1
IKK2
NEMO
In vitro GST-IκBα phosphorylation
p-IκBα
Cytoplasmic Signalosome
WB
IKK1
IKK2
NEMO

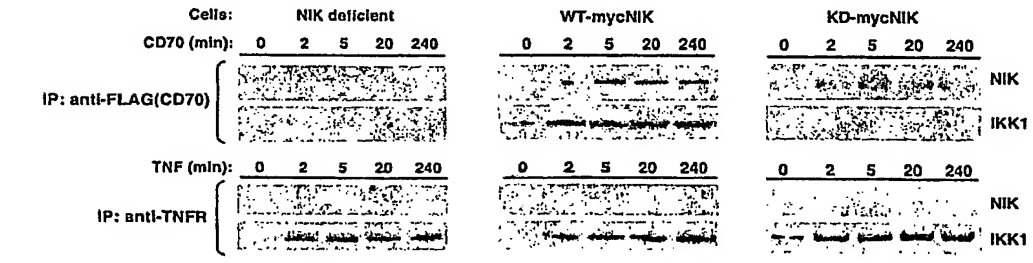

6D
Cells: NIK deficient
WT-mycNIK
KD-mycNIK
CD70 (min): 0 2 5 20 240
IP: anti-FLAG(CD70)
NIK
IKK1
TNF (min): 0 2 5 20 240
IP: anti-TNFR
NIK
IKK1

FIGURE 6

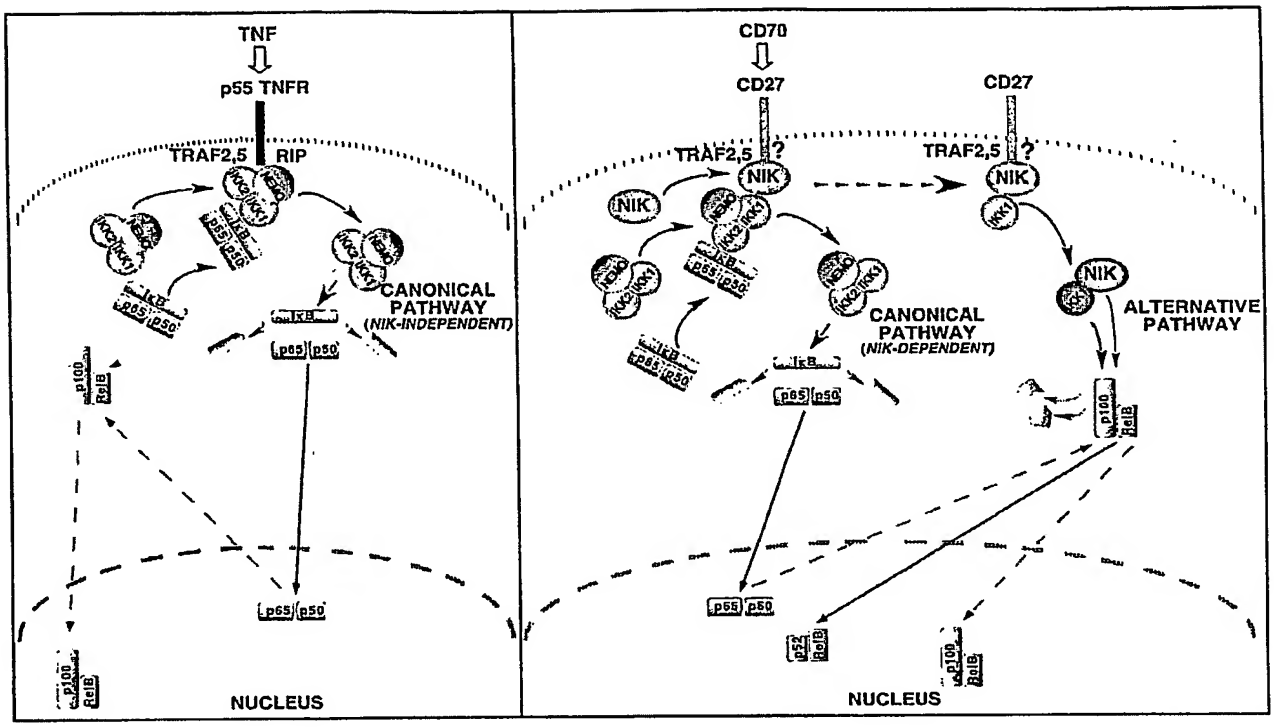

TNF
p55 TNFR
TRAF2,5
RIP
CANONICAL PATHWAY (NIK-INDEPENDENT)
NUCLEUS
CD70
CD27
CD27
TRAF2,5 ?
TRAF2,5 ?
NIK
CANONICAL PATHWAY (NIK-DEPENDENT)
ALTERNATIVE PATHWAY
NUCLEUS

FIGURE 7